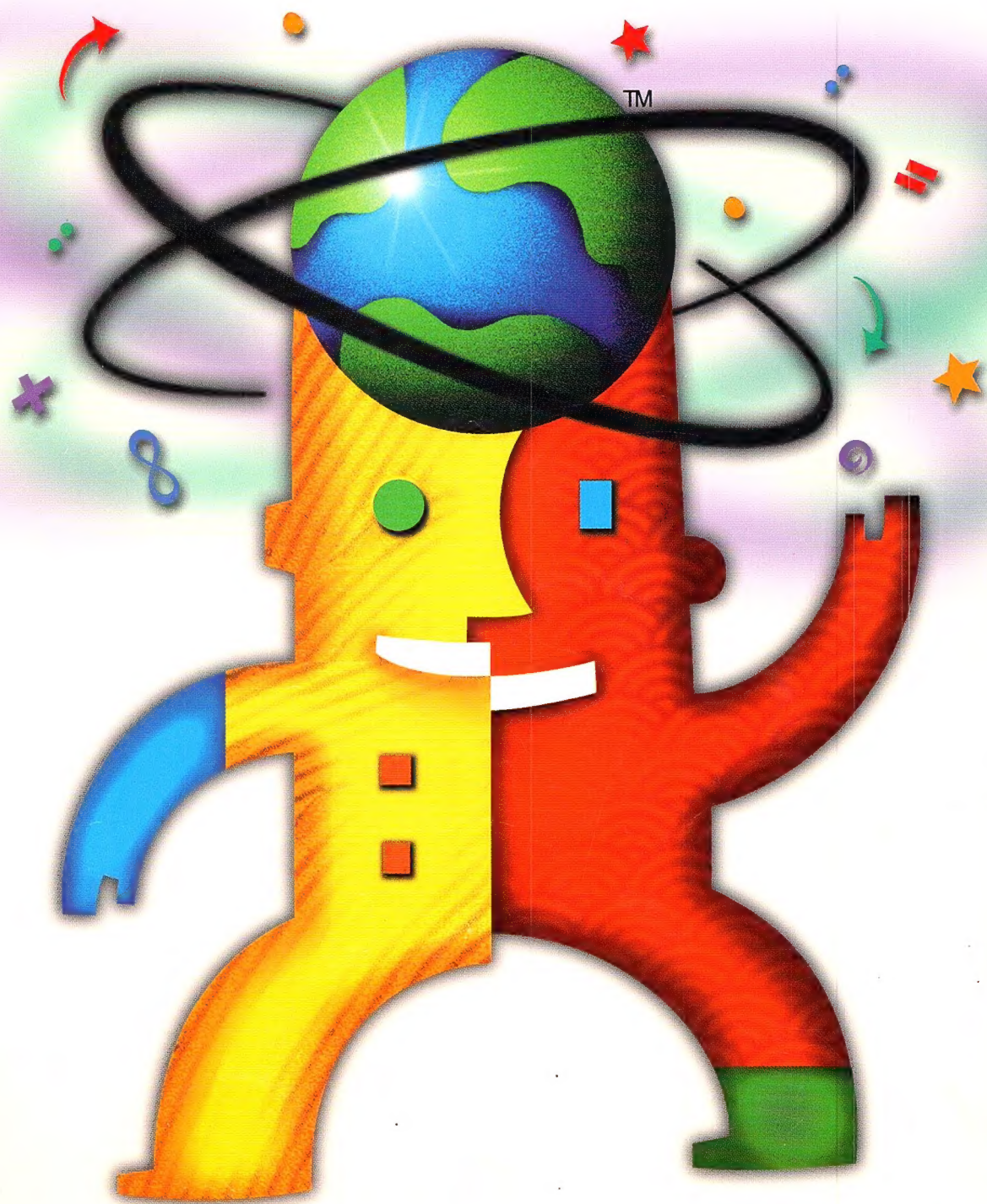


# BRAINSHARE AUSTRALIA '98

## Event Guide



BrainShare Australia 1998

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1555 North Technology Way  
Orem, UT 84097-2399

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## WELCOME TO BRAINSHARE® AUSTRALIA'98

*This is an exciting time for Novell. This year's BrainShare comes at a pivotal time for the company. When I arrived at Novell last year, I had three key objectives: to align Novell's business model with the realities of the marketplace; to focus the management team on a handful of key initiatives; and to get new products to market on a regular basis. I am delighted to report that we are making progress on all three fronts.*

*It is on the product front that we have true reason to celebrate at this year's BrainShare. The sessions offer special insight into the new and future enhancements to Novell's product line, including the upcoming NetWare® 5. And you can also experience the power of the newest Novell products like BorderManager FastCache™, NDS for NT and Z.E.N.works™. I encourage you to take advantage of the BrainShare agenda to survey Novell's complete spectrum of both established and emerging products.*

*As valuable as the technical sessions are sure to be, I want to encourage you to spend some time getting to know the other BrainShare participants at the conference. Making contacts, exchanging ideas, and discovering common challenges and solutions can be as valuable to you and your organisation as the regular sessions.*

*Thank you again for your continued support of Novell.*

*Sincerely,*



Eric Schmidt  
Chairman and CEO  
Novell, Inc.



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## WELCOME TO BRAINSHARE AUSTRALIA '98

BrainShare '98 is the only networking conference of the year that can provide you with a wealth of inside information straight from trade leaders. From the experts in development, integration, and support, you will hear about the latest in technological advancements, learn current trends, and see exactly where the future of networking is headed. In addition, Novell engineers and architects will conduct sessions introducing you to Novell's latest products and enhancements, as well as future developments.

### BRAINSHARE ORGANISATION

All three days are filled with breakout sessions which cover all phases of network development, integration, and support. On Wednesday, and Thursday the day begins with keynote addresses from Novell executives. BrainShare also offers evenings of fun and relaxation with special events planned to give you the opportunity to interact with other attendees and Novell staff in informal settings.

### NAVIGATING BRAINSHARE '98

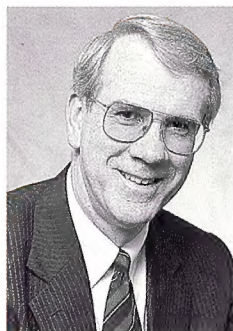
This Conference Guide includes everything you need to know in order to make this week productive and enjoyable:

- BrainShare keynote information
- Introductions to BrainShare hosts
- BrainShare Conference-at-a-Glance schedule
- Maps of the Sydney Convention and Exhibition Centre
- Descriptions of BrainShare '98 evening events and extracurricular activities
- Detailed breakout session schedule
- Abstracts of all breakout sessions

Updated conference information can be found each morning in the BrainShare Australia '98 Conference Daily. BrainShare conference hosts will also be stationed throughout the Sydney Convention and Exhibition Centre. They will be happy to direct you or answer your questions. We want your experience at BrainShare Australia '98 to be the best it can be, so please let us know how we can serve you better.





**KEITH OSBORNE**

*Vice President,  
Novell Asia Pacific*

Keith C. Osborne has been with Novell for the past five years and has been appointed Vice President, Novell Asia Pacific. Prior to his appointment Keith was Director, OEM/BIS Business Development for the Asia-Pacific Region. In this role he had responsibility for all Hardware and Software Vendor relationships as well as Business Internet Services (BIS) activities with Asia-Pacific Telecommunications Carriers and ISPs.

Mr. Osborne has more than 25 years experience in the IT Industry and prior to joining Novell held senior management positions in Sales, Marketing and Systems Engineering with a number of US based multinational companies including IBM, Digital, Honeywell and Raytheon Data Systems. He has also consulted to Fujitsu and Olivetti regarding start-up and product introduction planning in the Asia-Pacific Region.

Mr. Osborne holds a Degree in Electrical Engineering and a Master of Business Administration both from the University of New South Wales.

**CLIFF SMITH**

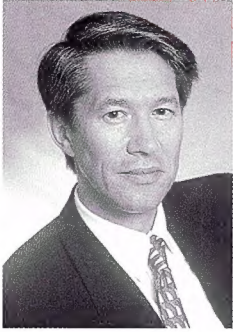
*Managing Director,  
Novell Australasia*

Mr Cliff Smith is Managing Director for Novell Australasia, responsible for all Novell's operations in Australia, New Zealand and the South Pacific, including sales, marketing and channel distribution. He joined Novell in November 1996.

Prior to joining Novell, Cliff held the position of Managing Director of Kyocera Electronics Australia, with responsibility for the formation and development of the Australian subsidiary of Kyocera Corporation of Japan. Over a seven year period Cliff developed the Australian operation to become the fourth largest laser printer company, by unit sales, in Australia. He was responsible for the establishment of national dealer and distribution channels with associated support networks: for gaining ISO9002 Quality accreditation; and establishing a Fixed Term Arrangement (FTA) with the federal government in his seven years with Kyocera. Cliff also established a New Zealand operation in 1993.

Prior to Kyocera, Cliff also held positions at ICL Australia as Business Manager - Finance and Commercial and Sales Manager - Eastern Region; Wang Australia as District Sales Manager and National Marketing Manager; and at MAI Australia Information Systems as General Manager.

With more than 25 year's experience in information technology industry, Cliff holds a Bachelor's Degree in Economics from the University of Lancaster, England.



### NICK JACKSON

*Director, Business Development  
Novell Asia Pacific*

Mr Nick Jackson is Director, Business Development for Novell Asia Pacific. In this role he is responsible for facilitating and promoting Novell's business strategies and product directions to the principal IT decision-makers and influencers in organisations throughout the Asia-Pacific region.

Previously Nick was National Channel Sales and OEM manager with Novell Australasia, during which time he was responsible for the successful design and implementation of Novell's NetPartner reseller programs in the region. Nick joined Novell in 1995.

Prior to Novell, Nick was General Manager for 3Com's Australia and New Zealand operations, a position he held from 1992 to 1994. During his management, 3Com gained market share leadership in the region for LAN adapter cards, and 'top three vendor' ranking in network hubs and wide area routers.

From 1987 to 1991 Nick was International Business Manager, and General Manager Asia Pacific for BICC Communications, Europe's largest manufacturer of Ethernet technology at that time.

Representing key networking vendors since the mid eighties, and high technology end users since the mid seventies, Nick has been involved in substantial IT business development and implementations through effective sales and marketing, and project planning programs.

With more than 25 years' experience in the IT and technical services industries, Nick holds a BSC (Hons) degree and has written numerous articles on many aspects of networking, including information distribution, network management, network security, migrating to ATM, remote LAN access, telecommuting and the Internet. Nick is a regular presenter at IT forums and is a frequent contributor to the industry press.



### GLEN JOBSON

*Director, Technology and Education  
Services  
Novell Asia Pacific*

With responsibility for managing Novell's Systems Engineering and Education teams in nine countries throughout the Asia Pacific Region, Glen Jobson plays a strategic role in developing the company's pre-sales support capabilities.

A qualified CNE with a Bachelor of Engineering (Electrical/Electronic) as well as post-graduate credentials in Electrical Wiring for Engineers and Personnel Management, he has extensive experience in both designing and implementing business networks of all kinds.

Since joining Novell in 1994, Glen has held a number of senior roles, including a year consulting to telecommunications carriers throughout the Asia Pacific on how to build a secure business section of the Internet to support corporate Intranets.

He previously worked for Clear Technology in various senior technical roles, including National Technical Manager.

Glen is an accomplished public speaker and has given technical and corporate presentations at numerous industry events both in Australia and overseas.







### THE HONOURABLE KIM YEADON

*Minister for Information Technology  
Minister for Forestry,  
Minister for Ports  
Minister Assisting the Premier on  
Western Sydney Member for  
Granville*

Information Technology is central to the delivery of business services and leisure to the community. As NSW's first Minister for Information Technology (IT), the Honourable Kim Yeadon sees IT as being core to the delivery of business and leisure services to the community.

Kim is driving the smart use of IT in NSW to secure jobs, investment and the future for the people of NSW. Progress on the strategies covering the use of IT, such as the Information and Technology Management Blueprint, "connect.nsw" (online services) and the Year 2000 Millennium Bug are therefore a priority.

His achievements to date in the short time he has been Minister include:

- The launch of Service NSW as the New South Wales Government's single window Internet access point;
- Representing the State at the recent World Congress on Information Technology;
- Ensuring funding for major Information Technology projects figure prominently in the State's 1998-1999 Budget.

Kim was elected to the Western Sydney seat of Granville in 1990. In March 1995 he was appointed the inaugural Minister for Land and Water Conservation. In November 1997 he was appointed the State's first Minister for Information Technology and Minister assisting the Premier on Western Sydney as well as Minister for Forestry and Minister for Ports.



### ED MCGARR

*Vice President, Product Marketing  
Novell, Inc.*



Ed McGarr heads Novell's worldwide product marketing team, ensuring the communication of a consistent and integrated Novell message across all product areas. His responsibilities include the development of marketing strategy, as well as execution across the company of related marketing initiatives.

Mr. McGarr's recent appointment as Vice President for Product Marketing follows eight years at Novell, including five years in sales and three years as Vice President of Marketing for Novell's GroupWise collaboration and e-mail solutions. He played a leading role in the growth of GroupWise into an industry-leading family of groupware products with an installed base of over 8 million users.

Prior to coming to Novell, Mr. McGarr worked as a software engineer for Lundy Computer Graphics in New York, focusing on the development of high-performance workstation graphics. Earlier, he engineered high-speed scanners, controllers, and receivers for Konica, Inc.

Mr. McGarr holds an Associate Degree in Hotel Management from SUNY and a Bachelor's Degree in Design Engineering from Brigham Young University



### DOUG KNIGHT

*Senior Vice President, Systems  
Engineering Division  
Novell, Inc.*

Doug Knight is Senior Vice President of Novell's Systems Engineering Division. He is responsible for leading Novell's Systems Engineering team in driving the adoption of Novell products and technologies. He has been with Novell for eleven years and has held a variety of marketing and technical positions. He started NetWire, Novell's on-line information system. He also had responsibility as an API Manager for Novell where he worked on developer relations and management of the MHS API. He later moved to Corporate Development where he was involved with strategic relations. Mr. Knight has been in the Systems Engineering Division for the past seven years as a Corporate Integration Manager, Principal Systems Engineer, Director and presently, Senior Vice President. Mr. Knight is a graduate of Brigham Young University with a degree in Information Management. He resides in Salt Lake City, Utah with his wife and four children.





## ACCOMMODATION

Enquiries concerning accommodation can be made at the Accommodation Desk, located at the Registration Desk on Level 2.

## ALCOHOL PROHIBITED

Alcohol is strictly prohibited at any conference session or during the breaks.

## AFTER - HOURS FUNCTIONS

Registration includes admission to all evening functions. Additional tickets for spouses/partners to all social functions may be pre-purchased at the Registration Desk.

Welcome Reception	\$50
Meet the Experts	\$80
Sponsors Night	\$90

## BANKING

Automatic Teller Machines representing most major banks are located at the Darling Harbour shopping centre adjacent to the Sydney Convention Centre.

## CAMERAS PROHIBITED

Cameras are strictly prohibited at any conference session or event.

## CLOAK ROOM

There is a cloak room located on Level 1 of the Sydney Convention Centre. Interstate/International delegates are welcome to leave their luggage there on the final day of BrainShare Australia.

## CONFERENCE BAG

When you register for BrainShare Australia you'll receive the BrainShare Australia conference bag containing the following:

- . . . . BrainShare Australia Event Guide
- . . . . BrainShare Presentation CD
- . . . . BrainShare Australia Presentation Notes
- . . . . BrainShare T-Shirt
- . . . . BrainShare Notepad
- . . . . BrainShare Pen
- . . . . BrainShare Luggage Tag
- . . . . BrainShare Australia Conference Survey

## CONFERENCE SURVEY

To improve future conferences, we need your input. Please complete and return the BrainShare Australia Conference Survey on Friday July 24 to the Registration Desk.

For your time and effort in completing this survey, you will receive a BrainShare Australia '98 gift. We appreciate your input and help in continuing to make BrainShare Australia the standard for technical conferences.

## FIRST AID

If first aid is required, please report immediately to any of the Sydney Convention Centre or conference staff who will arrange for a first aid officer.

## MEALS

Lunch will be served daily at the Bayside Room on Level 1 and the Harbourside Room on Level 2. Arrival coffee and tea, morning tea and afternoon tea will also be provided daily. Food will also be provided at all BrainShare Australia evening events.

## MESSAGES

Messages can be left for delegates by calling the BrainShare Australia '98 registration desk on (02) 9282 6235. All messages received during BrainShare Australia will be placed on the Message Board in the registration area.

## NAME BADGES

Delegates are requested to wear their Conference Badge throughout BrainShare Australia to facilitate admission to all sessions and social functions.

## REGISTRATION

The registration desk is located in the foyer of Level 2 and will be staffed for the duration of the conference as follows:

Tuesday July 21	5:30pm - 8:30pm
Wednesday July 22	7:30am - 6:30pm
Thursday July 23	7:30am - 6:30pm
Friday July 24	7:30am - 6:00pm

## TELEPHONES

Public telephones are available on each level of the Sydney Convention Centre.

Please ensure that all mobile phones and pagers are switched off during conference sessions.

## TRANSPORTATION ARRANGEMENTS

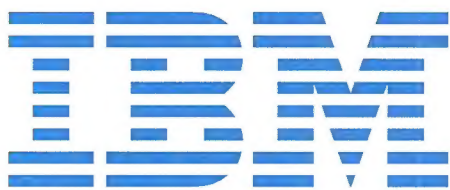
General transportation from the Sydney Convention Centre is available via taxi or monorail. Conference staff can assist you with enquiries.

## VENUE

The Sydney Convention Centre  
Darling Drive, Darling Harbour  
Sydney, Australia

Telephone: 61 2 9282 5000 Facsimile: 61 2 9282 5041



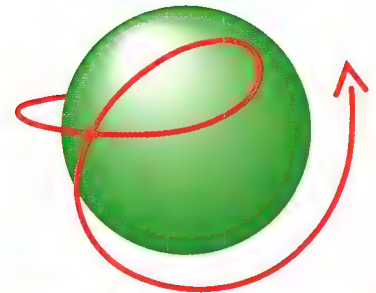




# COMPAQ

# ORACLE®

Enabling the Information Age™



**OZEMAIL**  
access<sup>1</sup>



# Quantum™

CAPACITY FOR THE EXTRAORDINARY™

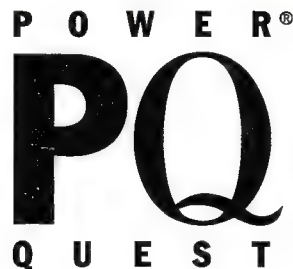


SPONSORS

COLLABORATION PARTNER SPONSORS



DEVELOPER PARTNER SPONSORS





**WELCOME RECEPTION**

Tuesday July 21  
 6:30pm - 8:30pm  
 Harbourside Room  
 Level 2, Sydney Convention Centre

The BrainShare Australia '98 Welcome Reception is a great opportunity to network with Novell employees, BrainShare presenters and fellow BrainShare attendees over drinks and canapes prior to the commencement of BrainShare Australia '98. Throughout the evening great prizes will be given away. You can avoid the rush by taking the opportunity to pre-register.

**MEET THE EXPERTS RECEPTION**

Wednesday July 22  
 6:30pm - 9.30pm  
 Banquet Hall  
 Level 1, Sydney Convention Centre

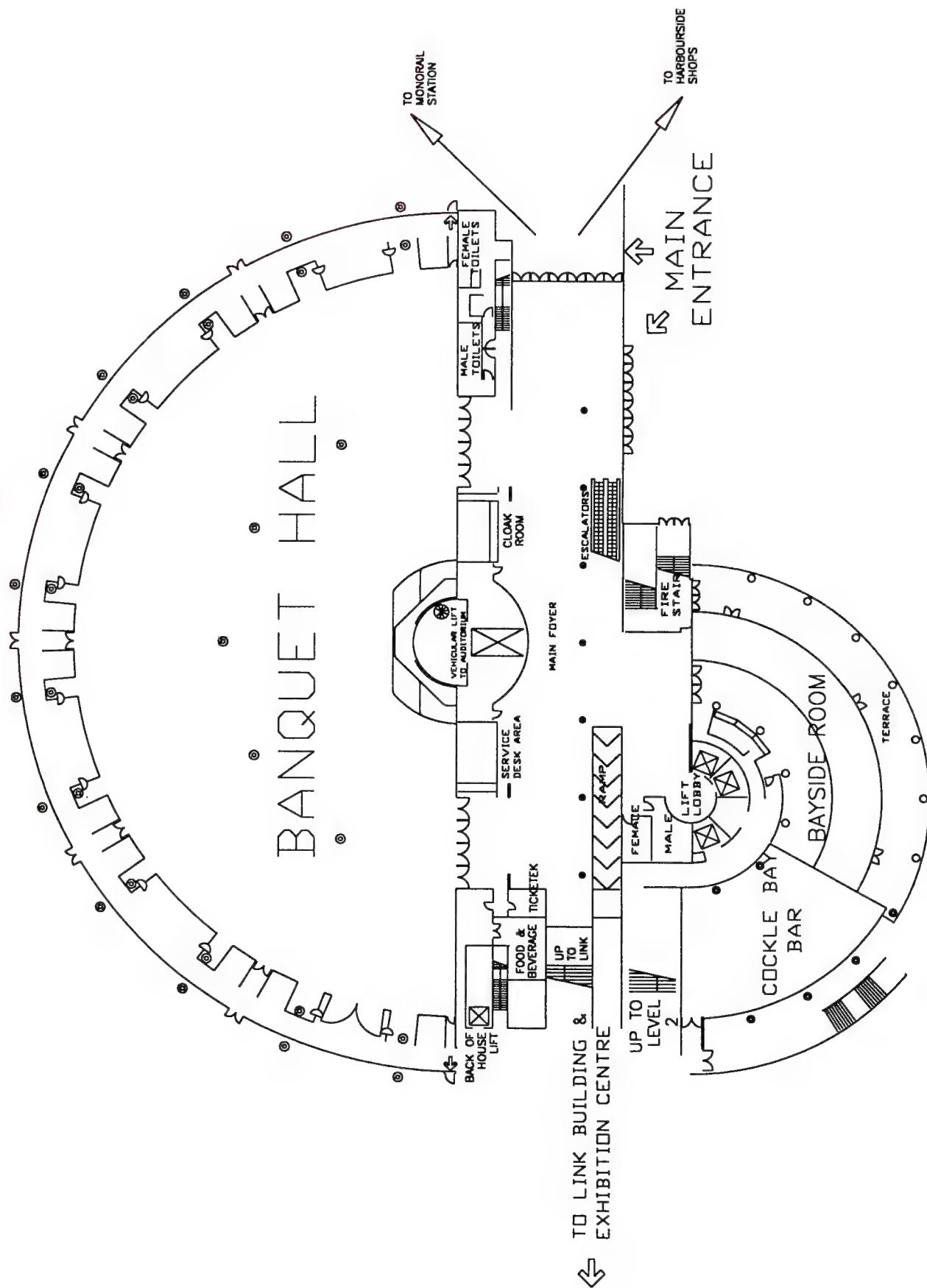
Meet the Experts is one of the most popular events, at BrainShare. It's your opportunity to meet with Novell's technical experts and discuss development strategies one-on-one. Direct questions and comments to the people who make a difference, and share your ideas about the future of networking with colleagues from around the world. A buffet dinner and beverages will be available throughout the night.

**SPONSORS NIGHT**

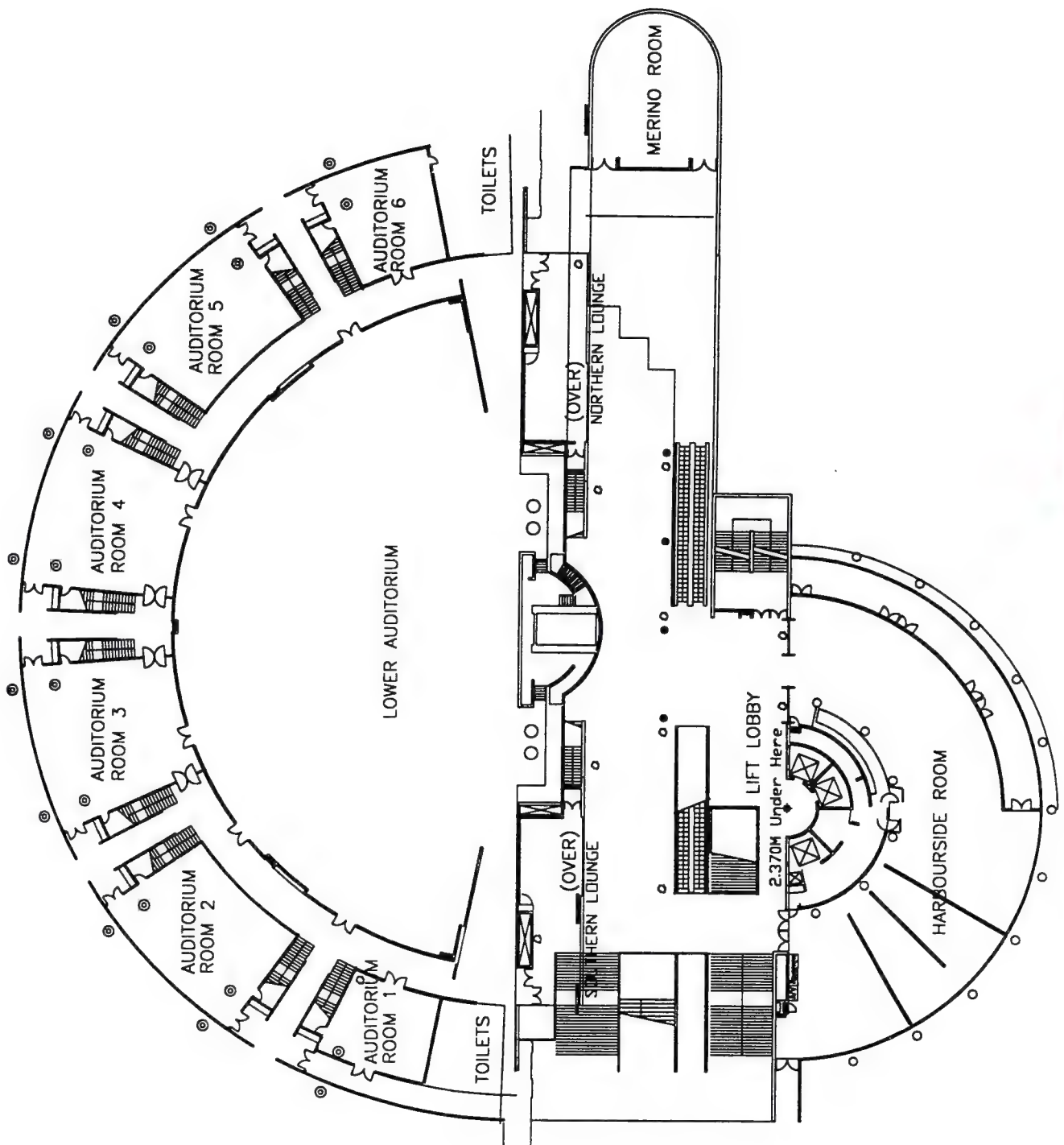
Thursday July 23  
 6:30pm - 10:30pm  
 Sega World  
 1-25 Harbour Street

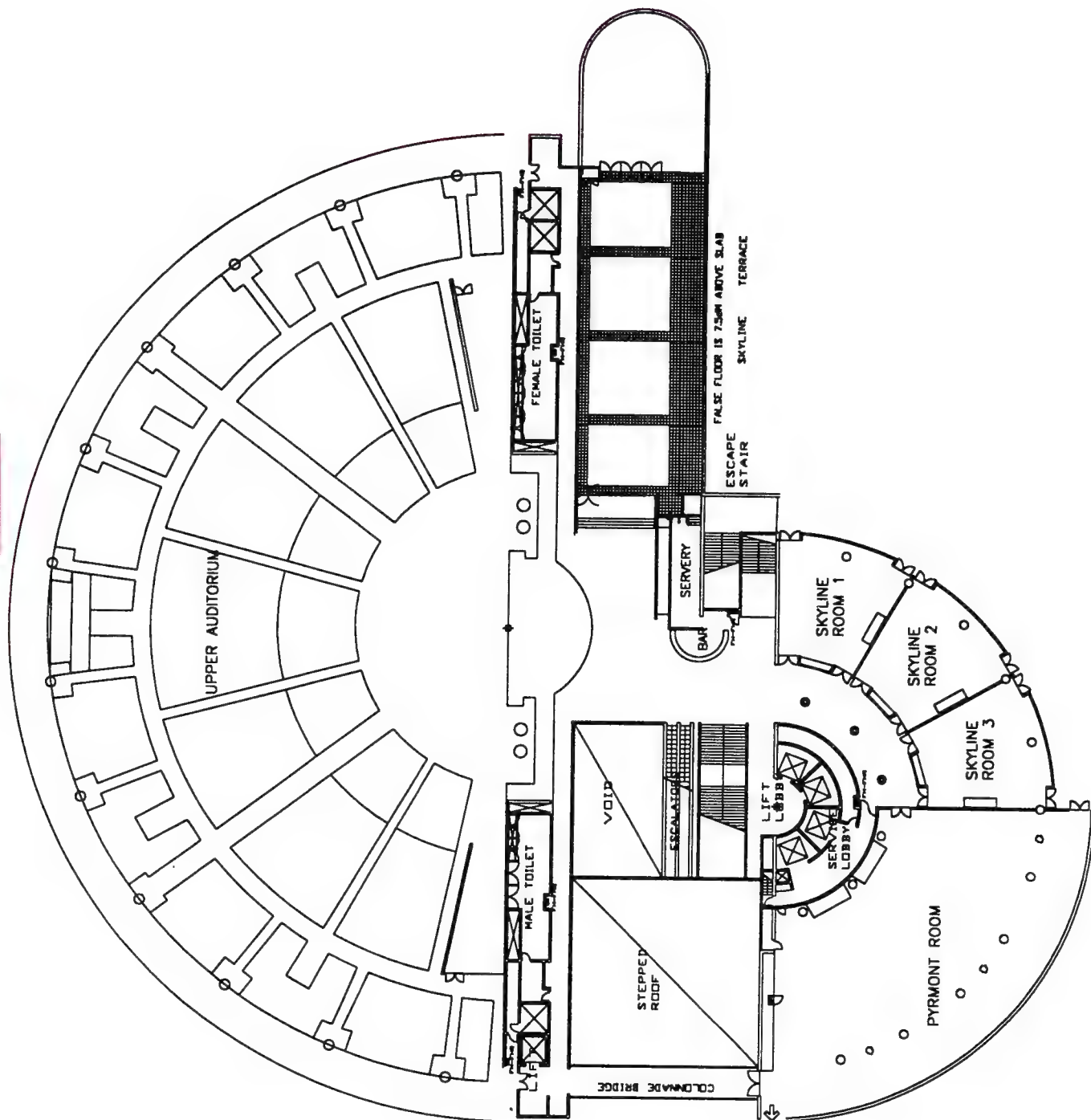
Come and join the fun and excitement at Sega World, for the BrainShare Australia '98 Sponsors Night, where Aqua Nova, Mad Bazooka and VR-1 are just some of the rides and games of the Future to be enjoyed. Proudly hosted by the sponsors' of BrainShare Australia '98, all attendees will be in the running to win some incredible prizes donated by our sponsors - but remember, you must be there to be in the running! A buffet dinner and beverages will be available throughout the night.













21 JULY  
Tuesday

22 JULY  
Wednesday

23 JULY  
Thursday

24 JULY  
Friday

<p>5.30PM-6.30PM REGISTRATION</p> <p>7.30AM-6.30PM REGISTRATION</p> <p>8.30AM-10.30AM KEYNOTE ED MCGARR</p> <p>10.30AM-11.15AM MORNING TEA</p> <p>11.15AM-12.15PM SESSION A</p> <p>12.15PM-1.15PM LUNCH</p> <p>1.15PM-2.15PM SESSION B</p> <p>2.15PM-2.45PM AFTERNOON TEA</p> <p>2.45PM-3.45PM SESSION C</p> <p>4.00PM-6.00PM SESSION D</p>	<p>7.30AM-6.30PM REGISTRATION</p> <p>8.30AM - 9.30AM KEYNOTE DOUG KNIGHT</p> <p>9.30AM-10.00AM MORNING TEA</p> <p>10.00AM-11.00AM SESSION A</p> <p>11.15AM-12.15PM SESSION B</p> <p>12.15PM-1.15PM LUNCH</p> <p>1.15PM-2.15PM SESSION C</p> <p>2.15PM-2.45PM AFTERNOON TEA</p> <p>2.45PM-3.45PM SESSION D</p> <p>4.00PM-6.00PM SESSION E</p>	<p>7.30AM-6.00PM REGISTRATION</p> <p>8.30AM-9.30AM SESSION A</p> <p>9.45AM-10.45AM SESSION B</p> <p>10.45AM-11.15AM MORNING TEA</p> <p>11.15AM-12.15PM SESSION C</p> <p>12.15PM-1.15PM LUNCH</p> <p>1.15PM-2.15PM SESSION D</p> <p>2.15PM-2.45PM AFTERNOON TEA</p> <p>2.45PM-3.45PM SESSION E</p> <p>4.00PM-6.00PM SESSION F</p>
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6.30PM-8.30PM

WELCOME  
RECEPTION

6.30PM-9.30PM

MEET THE  
EXPERTS

6.30PM-10.30PM

SPONSORS  
NIGHT

## NOVELL CONNECTING POINTS - BRAINSHARE AUSTRALIA NETWORK

Pyrmont Room, Level 3

Wednesday July 22, 12:30pm - 6:30pm

Thursday July 23, 9:30am - 6:30pm

Friday July 24, 8:30am - 4:30 pm

A personal GroupWise account has been created for each registered BrainShare Australia '98 attendee. Your GroupWise account connects you to other BrainShare Australia attendees, to the Internet and to your office.

GroupWise is more than just E-mail. It is a complete messaging system, the easiest way to improve workflow in your enterprise.

GroupWise on the web allows you to do the following:

- Send E-mail around the world
- Schedule appointments and resources
- Accept, decline or delegate appointments
- Assign and track important tasks
- Send faxes and pages
- Receive timely conference information

## PROGRAM BOOTHS

Level 2

### NOVELL ANTI-PIRACY

Novell has an Anti-Piracy Group with offices in the USA, Europe, Asia Pacific and South America. The group is responsible for the protection of Novell's intellectual property. This protection is a combination of marketing and educational campaigns, reinforced with aggressive investigation and enforcement actions against end-users using illegal products, dishonest resellers, counterfeiters and the illegal electronic distribution of our products on Bulletin boards and the Internet.

To find out more, visit us at the Anti-piracy booth at BrainShare. Alternatively, you may contact us at our Anti-piracy toll free hotline: 1800 553 288 or email [pirates@novell.com](mailto:pirates@novell.com).

### NOVELL PRESS™

Visit the Novell Press bookstore at this year's conference to check out our new titles and see our complete line of books. With over a million books sold worldwide, Novell Press provides accurate, up-to-date resources available on new products, programs and the latest networking technology, including Novell's premier products, NetWare, GroupWise, BorderManager, ManageWise, NDS for NT, certification, plus much more. Don't miss this great opportunity!

### NOVELL CUSTOMER SERVICES LOUNGE

**A place to relax & talk technical with Novell experts!**

Northern Lounge, Level 2

Wednesday - Friday, 8:30am - 6:30pm

The Novell Customer Services Lounge, available throughout the entire conference, is the central point for BrainShare Australia participants to interact with each other and Novell's technical experts. The lounge provides a place to relax, grab a snack, something to drink or surf the net.

It's also the place to:

**Obtain Consulting Advice** from Novell's senior network consultants about designing the Novell Network that you or your customers need, obtain information about Novell Consulting's services and solutions offerings, or simply drop by to say hello. You could WIN! one day of FREE Consulting\*.

**Obtain Technical Advice** from Novell's Premium Service Engineers on technical support matters, or obtain information on one of Novell's leading edge technical service packages. You could also WIN! a copy of Novell's Support Connection CD technical database, or one of 3, one-day Advanced Technical Training Seminars\*.

**Obtain Education Advice** from a Novell education specialist regarding Novell certifications, exciting new courses and Authorised Education Centres. Find out how to become a CNA, CNE, MasterCNE and CIP. You could WIN! one of 3 FREE NetWare 4 to NetWare 5 certification testing packs sponsored by VUE Testing. Each pack includes a copy of Self Test Software's NetWare 4 to NetWare 5 practice test and an exam voucher.\*

\* Conditions apply.

### NETWARE USERS INTERNATIONAL

NetWare Users International (NUI) is the association for Novell users and networking professionals. By joining a NUI group you are able to meet and associate with other like minded people to exchange ideas and information as well as increase your NetWare and networking knowledge. Come and visit the NUI table to find out more about the benefits of joining.



**BRAINSHARE TECHNOLOGY LAB**

Pyrmont Room, Level 3

Wednesday July 22, 12:30pm - 6:30pm

Thursday July 23, 9:30am - 6:30pm

Friday July 24, 8:30am - 4:30pm

This year's BrainShare Technology Lab promises to be the centre of technical activity. Over 620 square metres of space is dedicated to demonstrations of the latest and most innovative technologies and solutions from Novell and their strategic partners. In addition to the BrainShare Network, the BrainShare Technology Lab will feature the following:

**NETWORK MANAGEMENT AND SECURITY****ManageWise IT - Directory-Enabled Network Management**

ManageWise IT combines the security of NDS with the platform independence of Java to deliver a key component of Novell's Directory-Enabled Network Management solution. The ManageWise IT SDK simplifies application development with a Java environment and pre-written "beans".

**NDS for NT**

NDS for NT simplifies NT Server and application deployment in a mixed NetWare/NT environment by eliminating the complexity and cost of domains. See how NDS for NT makes it possible for NT to become part of the enterprise network via single sign-on, single point of administration, thus lowering the cost of a network.

**Z.E.N. works****(ZERO EFFORT NETWORKS FOR USERS)**

Come and see how Novell Z.E.N. works reduces the cost of networked PCs and makes users more productive with NDS and policy-enabled application distribution, desktop management and desktop maintenance. Z.E.N. works removes barriers to user productivity and allows the experts, network administrators, to leverage NDS to ensure the user is focused on business, not technology.

**COLLABORATION AND CONNECTIVITY****New Features of GroupWise**

Experience a hands-on demonstration of some of the hottest new features in the next release of GroupWise.

**GroupWise Admin/Management**

This demonstration area will focus on the administration and management features of Novell's GroupWise.

**GroupWise Web Access/ Web Publisher**

Test out Internet products such as WebAccess and WebPublisher, with this hands on demonstration.

**NETWARE 5****NetWare 5 Communications Protocol Independence**

The NetWare 5 Communications Protocols demonstration will allow attendees to see NetWare 5 running purely over TCP/IP. Also demonstrated are the Winsock 2 infrastructure, the Service Location Protocol (SLP), Domain Name Services, the Dynamic Host Configuration Protocol, and IPX Compatibility Mode.

**Novell Public Key Infrastructure Services**

Novell Public Key Infrastructure Services offers NDS-based certificate authority and key management services for NetWare 5. Administrators use NWAdmin to create keys and certificates for security applications such as LDAP and SSL.

**Novell ConsoleOne**

Novell ConsoleOne gives you a single view into network administration and management. Because ConsoleOne is written 100% in Java, it can be run on any networked machine that has a "Java Virtual Machine." Come see the incredible flexibility it gives administrators, letting them manage network-wide issues from desktops, as well as servers.

**Novell Replication Services (NRS)**

Novell Replication Services improves WAN performance and data availability by locating data closer to the end user. System administrators and end users enjoy the advantages of a globally replicated file system operating at local speeds.

**Novell Storage Services (NSS)**

Novell Storage Services is the next generation storage/access system being developed by Novell. NSS will be part of the NetWare 5 release. NSS has three basic goals: 1) backward compatibility with the intraNetWare 4.11 file system, 2) elimination of current NetWare file system limitations and 3) complete support of new generations of storage environments.



### **Storage Management Services: The Data Protection Solution for the NetWare 5 Environment**

Storage Management Services (SMS) allows backups of SMS Targets such as NDS, binderies, the file system, or an individual workstation's hard disk onto media that can be stored off-site. If you have a hardware failure, natural catastrophe, corrupted data, or incorrectly deleted or changed data, you can return to a previous view of the data.

#### **Upgrade Wizard**

The Novell Upgrade Wizard provides a powerful, yet easy-to-use tool that makes migrating from NetWare 3 to NetWare 5 simple and cost effective. Find out how easily the Novell Upgrade Wizard steps you through the migration process. It is easy as dragging and dropping objects from one location to another.

#### **LDAP Services for NDS**

LDAP services for NDS will provide access to NDS and other directories' information on the intranet and over the Internet, providing easier and broader access to important data.

#### **Orion NetWare Clustering**

Orion will provide customers with unparalleled scalability for network growth and continuous access to network-based information and applications.

## **INTERNET/INTRANET TECHNOLOGIES**

### **Netscape Enterprise and Messaging Server for NetWare**

Learn how Netscape Messaging Server for NetWare offers tight NDS integrations. Explore the power behind the Netscape Server for NetWare.

#### **ProxyCache**

BorderManager's proxy caching services allow you to cache web pages locally, providing a cost effective alternative to upgrading your Internet connection.

### **BorderManager Content Filtering**

This demonstration highlights BorderManager real-time word parsing system and content filtering capabilities.

### **Novell BorderManager DNS/DHCP Services**

BorderManager is the industry's first integrated family of directory-based network services that manages, secures and accelerates user access to information at every network border. Technologies include DNS/DHCP, Radius Authentication Services, browser, hierarchical network and Web server acceleration, Remote Access, routing and more.

### **Java Virtual Machine (JVM)**

See how JVM will be the best strategic platform on which to develop and deploy a new breed of standards-based distributed network applications, using Java and Java scripting.

## **DEVELOPER SHOWCASE**

### **Developer Partner Showcase**

#### **PowerQuest**

PowerQuest is the leader in storage device management providing solutions for both the enterprise server and the desktop PC. ServerMagic directly copies, moves and expands server partitions on the fly allowing the storage and operating system upgrade process to occur in minutes. DriveImage Pro is the fastest desktop cloning product on the market supporting multiple operating systems.

#### **Protocom Development Systems**

The Protocom Development Systems demo in the BrainShare Lab showcases a number of powerful NetWare Security and Automation applications based upon NDS. These applications include LAN/WAN encryption protocol stacks, NetWare Console Security, NDS Scheduling Tools and NDS-enabled Console and Error Message monitoring utilities.

## Netoria

Netoria, Inc., based in Orem Utah, specialises in the development of Novell Directory Services (NDS) enabled applications and utilities. Netoria's products are used on over 1 000 000 desktops daily.

SFLOGIN is an IntraNetWare login enhancer providing features such as contextless login, single sign-on, password synchronisation, network news and customisable login screens. SFLOCK is a workstation security system that integrates NDS with security features such as locking screensavers, intruder detection after authentication, administrator override, password enhancements and network disconnect. All products are available for DOS/WIN 3.X, Windows 95 and Windows NT, and a 60 day evaluation can be downloaded from <http://www.netoria.com>.

## Duplex Telecommunications/CallWare

Duplex Telecommunications is the Australian distributor of Voice messaging and unified messaging of email, voice and fax over the intranet/extranet utilising CallWare Technologies range of Computer Telephony products developed as NetWare Loadable Modules (NLM's) for Novell NetWare.

## Metrowerks

Metrowerks develops, markets and supports the CodeWarrior® line of software development tools. CodeWarrior is a suite of programming tools used by professional software developers at some of the leading technology companies in the world, as well as students and faculty at some of the world's leading computer science and engineering universities. There are over 100,000 registered users of CodeWarrior in 75 countries worldwide.

## DeveloperNet Program

Visit this DeveloperNet station to learn about the most efficient way to develop with Novell. Find out how the DeveloperNet program can help accelerate your development process. Enter the Novell Developer Contest to win millions in cash and prizes. Register for the upcoming Developer Workshop. Collect some FREE DeveloperNet gifts while you are there.

## Developer Support

This station will highlight the tools available for creating solutions leveraging Novell technologies. Don't miss your chance to see how to create NLMs, Java-based programs, and others that consume Novell services, leverage Novell products, and take advantage of the NetWare platform. Also find out the best way to get developer support from Novell.

## DAY ONE • WEDNESDAY 22 JULY

## SESSION A

11.15am - 12.15pm

## SESSION B

1.15pm - 2.15pm

## SESSION C

2.45pm - 3.45pm

## TRACK 1

**C119**

Solid Reasons for Implementing NetWare 5: Features and Benefits  
*Bobby Russell, Systems Engineer*  
 Room: 1/3 Auditorium

**S114**

Keeping Hackers Out of Your Network  
*Bob Pugh, Systems Engineer*  
 Room: 1/3 Auditorium

**C113**

NetWare Installation and Configuration  
*Bobby Russell, Systems Engineer*  
 Room: 1/3 Auditorium

## TRACK 2

**S110**

An Overview of Z.E.N. works/NAL 2.5  
*Matt Brooks, Senior Software Engineer*  
 Room: Auditorium Meeting Room 3

**S102**

Designing NDS for Z.E.N. works and Windows NT  
*Sally Specker, Consulting Services Engineer*  
*and Blair Thomas, Senior Consultant*  
 Room: Auditorium Meeting Room 3

**X123**

NDS Schema and Database File System  
*Cyndi Rogers, Resolution Engineer*  
 Room: Auditorium Meeting Room 3

## TRACK 3

**M104**

ManageWise 2.6 Overview  
*Javier Alvarez, Systems Engineer*  
 Room: Auditorium Meeting Room 4

**M106**

Deploying ManageWise 2.6 in an Enterprise Environment  
*Ross Ford, Senior Consultant*  
 Room: Auditorium Meeting Room 4

**C110**

Novell Products and the Year 2000  
*Ross Ford, Senior Consultant*  
 Room: Auditorium Meeting Room 4

## TRACK 4

**D104**

Open Solutions Architecture: Access to Novell Services through Java  
*Mike Flathers, Software Engineer*  
 Room: Auditorium Meeting Room 2

**C120**

Integrating UNIX into a NetWare Environment  
*Amitabh Sinha, NTS Product Planning*  
 Room: Auditorium Meeting Room 2

**P107**

NetWare for SAA Update  
*David Holbrook, Manager Host Connectivity*  
 Room: Auditorium Meeting Room 2

## TRACK 5

**W108**

GroupWise Future Directions and Java Strategy  
*Karen Buckner, Product Manager*  
 Room: Auditorium Meeting Room 6

**S117**

Deployment and Management of GroupWise Clients  
*Todd Petty, Advanced Project Engineer*  
 Room: Auditorium Meeting Room 6

**W121**

Integrating Multiple Messaging System Environments  
*Karen Buckner, Product Manager*  
 Room: Auditorium Meeting Room 6

## TRACK 6

**G103**

Introduction to Border Services  
*Dean Sheffield, Systems Engineer, and Frank Cabri, Border Manager Services*  
 Room: Auditorium Meeting Room 5

**G108**

BorderManager: Virtual Private Networks  
*Henry Sprafkin, Border Manager Services*  
 Room: Auditorium Meeting Room 5

**G114**

BorderManager Firewall  
*Glen Jobson, Director Technology and Education Services*  
 Room: Auditorium Meeting Room 5

## CODEBREAK

**CB01**

Introduction to NLM Application Development  
*John Lam, Developer Software Engineer*  
*Kevin Burnett, Developer Software Engineer*  
 Room: Skyline Room 3      Introductory

**CB02**

Using Java on the NetWare Platform to Develop Middle Tier Applications  
*Russ Lundburg, Developer Software Engineer*  
*Scott McCallum, Developer Software Engineer*  
 Room: Skyline Room 3      Intermediate

**CB03**

Using Server Events to Create Efficient Applications  
*Kevin Burnett, Developer Software Engineer*  
*Scott McCallum, Developer Software Engineer*  
 Room: Skyline Room 3      Advanced



**8.30am - 10.30am Keynote Address & Technology Demonstration - Ed McGarr & Doug Knight****SESSION D**

4.00pm - 6.00pm

**C118****Upgrading to NetWare 5***Blair Thomas, Senior Consultant**Room: 1/3 Auditorium***R123****Using Z.E.N. works/NAL to Ensure Application Availability***Matt Brooks, Senior Software Engineer**Room: Auditorium Meeting Room 3***R105****Novell's Security Story: Why, What and When***Rich Lee, Technical Engineer**Room: Auditorium Meeting Room 4***D109****Open Solutions Architecture: Design and Directions***Steve Pierson, Software Engineer and  
Mike Chapman, Corporate Strategist**Room: Auditorium Meeting Room 2***W113****GroupWise WebAccess Implementation and Administration***Todd Petty, Advanced Project Engineer**Room: Auditorium Meeting Room 6***G109****BorderManager DNS/DHCP Services***Amitabh Sinha, NTS Product Planning**Room: Auditorium Meeting Room 5***CB04****Using Catalogue Services to Develop Faster Directory Aware Applications***Scott McCallum, Developer Software Engineer  
Kevin Burnett, Developer Software Engineer**Room: Skyline Room 3 Intermediate*

## DAY TWO • THURSDAY 23 JULY

SESSION A  
10.00am - 11.00amSESSION B  
11.15am - 12.15pmSESSION C  
1.15pm - 2.15pm

## TRACK 1

## C109

Small Business Solutions  
Henry Lowry, Powersell Program Manager  
Room: 1/3 Auditorium

## C122

SMS: The Data Protection Solution for the Network Administrator in the New NetWare 5 Environment  
Dean Sheffield, Systems Engineer  
Room: 1/3 Auditorium

## R118

Managing Microsoft's Desktop Operating Systems through ZENworks  
Craig Wiley, Systems Engineer  
Room: 1/3 Auditorium

## TRACK 2

## R125

Optimising Wide-Area Networks with WAN Traffic Manager  
Cynth Rogers, Resolution Engineer  
Room: Auditorium Meeting Room 3

## X107

Business Efficiency Achieved using NAL  
Timothy Forde, Consultant and Tracey Paterson, Application Integration Specialist, Deloitte  
Room: Auditorium Meeting Room 3

## X122

Oracle8 for NetWare: The Database for Network Computing  
Kevin de Schmidt, Oracle  
Room: Auditorium Meeting Room 3

## TRACK 3

## P105

Integrating TCP/IP and SNA Networks  
David Holbrook, Manager Host Connectivity  
Room: Auditorium Meeting Room 4

## M105

Managing Networks with ManageWise II  
John Phillips, Systems Engineer  
Room: Auditorium Meeting Room 4

## X112

Controlling Access to the Intra/Internet with BorderManager  
Martin Irwin, Technical Support Engineer  
Room: Auditorium Meeting Room 4

## TRACK 4

## C106

Novell's High Availability Solutions  
Scott Lemon, Corporate Integration Engineer  
Room: Auditorium Meeting Room 2

## P101

Configuring Your Network for Clustering  
Bobby Russell, Systems Engineer  
Room: Auditorium Meeting Room 2

## C107

Advances in Server Technology for Performance, Scalability and Reliability  
Scott Lemon, Corporate Integration Engineer  
Room: Auditorium Meeting Room 2

## TRACK 5

## W116

Implementing Internet Solutions Using BorderManager and the GroupWise System  
Bob Pugh, Systems Engineer  
Room: Auditorium Meeting Room 6

## X114

Netscape Enterprise Server for NetWare and NDS  
Dan Montforth, Product Manager  
Room: Auditorium Meeting Room 6

## D107

Network Programming in Minutes with Visual Basic and the Net2000 ActiveX Controls  
Steve Pierson, Software Engineer  
Room: Auditorium Meeting Room 6

## TRACK 6

## W124

Migrating from GroupWise 4.x to 5.x  
John Singleton, Systems Engineer  
Room: Auditorium Meeting Room 5

## W101

Customising GroupWise Applications Using Object API's, C3PO's and Workflow Objects  
Richard Matheson, Partner Support/GroupWise Workflow  
Room: Auditorium Meeting Room 5

## W109

GroupWise 5.5: The Next Release  
John Singleton, Systems Engineer  
Room: Auditorium Meeting Room 5

## CODEBREAK

## CB05

An Overview of Development Services on NetWare 5 Platform  
Kevin Burnett, Developer Software Engineer  
Scott McCallum, Developer Software Engineer  
Room: Skyline Room 3 Intermediate

## CB07

Developing for the NetWare 5 Platform with Novell Supplied Tools  
Scott McCallum, Developer Software Engineer  
Russ Lundberg, Developer Software Engineer  
Kevin Burnett, Developer Software Engineer  
Room: Skyline Room 3 Intermediate

## CB06

Using Novell JavaBeans to Develop NDS Aware Java Applications  
John Lum, Developer Software Engineer  
Russ Lundberg, Developer Software Engineer  
Room: Skyline Room 3 Intermediate



## 8.30 - 9.30am Keynote Address &amp; Technology Demonstration - Doug Knight

## SESSION D

2.45pm - 3.45pm

**S108**

Software Metering with NAL and Z.E.N. works

Blair Thomas, Senior Consultant

Room: 1/3 Auditorium

**S118**

Desktop Integration: NDS and Office Applications

Timothy Forde, Consultant

Room: Auditorium Meeting Room 3

**S106**

Novell Consulting Software Solutions

Philippe Lemoine, Consultant

Room: Auditorium Meeting Room 4

**P102**

Office: NetWare Clusters

Scott Lewis, Corporate Integration Engineer

Room: Auditorium Meeting Room 1

**D103**

Open Solutions Architecture: Database Solutions Using JDBC

Mike Chapman, Corporate Strategist

Room: Auditorium Meeting Room 4

**W125**

Customised GroupWise Workflow Solutions

Richard Matheson, Partner Support/GroupWise Workflow

Room: Auditorium Meeting Room 2

**CB08**

Developing for the NetWare Platform with Common Industry Tools

Scott McCullum, Developer Software Engineer  
Russ Lundberg, Developer Software Engineer  
Kevin Burnett, Developer Software Engineer

Room: Skyline Room 3 Intermediate

## SESSION E

4.00pm - 6.00pm

**C103**

IP Management and Migration

Colin G. Technical Support Engineer

Room: 1/3 Auditorium

**C118**

Upgrading to NetWare 5

Blair Thomas, Senior Consultant

Room: Auditorium Meeting Room 1

**R112**

Novell's Perspective on Microsoft Active Directory

Mark Middleton, Sales Engineer

Room: Auditorium Meeting Room 4

**R113**

NDS for NT: Making Windows NT Work for You

Sally Specker, Consulting Services Engineer

Room: Auditorium Meeting Room 2

**R119**

Case Studies: Distributing Popular Applications with Z.E.N. works/NAL

Mark Brooks, Senior Software Engineer

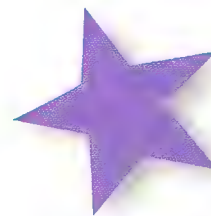
Room: Auditorium Meeting Room 2

**G101**

BorderManager Proxy Technologies

Henry Sprafkin, Border Services Manager

Room: Auditorium Meeting Room 3





## DAY THREE • FRIDAY 24 JULY

SESSION A  
8.30am - 9.30amSESSION B  
9.45am - 10.45amSESSION C  
11.15am - 12.15pm

## TRACK 1

**C119**

Solid Reasons for Implementing NetWare 5: Features and Benefits  
*Bobby Russell, Systems Engineer*  
Room: 1/3 Auditorium

**W109**

GroupWise 5.5: The Next Release  
*John Singleton, Systems Engineer*  
Room: 1/3 Auditorium

**R125**

Optimising Wide-Area Networks with WAN Traffic Manager  
*Cyndi Rogers, Resolution Engineer*  
Room: 1/3 Auditorium

## TRACK 2

**X127**

Advanced Integration of Windows NT into a NetWare Environment  
*Bob Pugh, Systems Engineer*  
Room: Auditorium Meeting Room 3

**S110**

An Overview of Z.E.N. works/NAL 2.5  
*Matt Brooks, Senior Software Engineer*  
Room: Auditorium Meeting Room 3

## TRACK 3

**D119**

Open Solutions Architecture: Web Solutions Using Java Servlets  
*Mike Chapman, Corporate Strategist*  
Room: Auditorium Meeting Room 4

**R118**

Managing Microsoft's Desktop Operating Systems through Z.E.N. works  
*Craig Wiley, Systems Engineer*  
Room: Auditorium Meeting Room 4

**X112**

Controlling Access to the Intra/Internet with BorderManager  
*Martin Irwin, Technical Support Manager*  
Room: Auditorium Meeting Room 4

## TRACK 4

**X105**

Managing Networks with ManageWise IT  
*John Phillips, Systems Engineer*  
Room: Auditorium Meeting Room 4

**G114**

BorderManager Firewall  
*Glen Jobson, Director Technology and Education Services*  
Room: Auditorium Meeting Room 2

**P102**

Orion: NetWare Clusters  
*Scott Lemon, Corporate Integration Engineer*  
Room: Auditorium Meeting Room 2

## TRACK 5

**W111**

Integrating GroupWise Business Solutions  
*Karen Buckner, Product Manager*  
Room: Auditorium Meeting Room 6

**W112**

Web-Enable Your Documents with the Security of GroupWise, WebPublisher and BorderManager  
*Todd Petty, Advanced Project Engineer*  
Room: Auditorium Meeting Room 6

**S114**

Keeping Hackers Out of Your Network  
*Bob Pugh, Systems Engineer*  
Room: Auditorium Meeting Room 6

## TRACK 6

**R113**

NDS for NT: Making Windows NT Work for You  
*Sally Specker, Consulting Services Engineer*  
Room: Auditorium Meeting Room 5

**G103**

Introduction to Border Services  
*Dean Sheffield, Systems Engineer and Frank Cabri, Border Manager Services*  
Room: Auditorium Meeting Room 5

## CODEBREAK

**CB09**

Using Background Authentication to Facilitate Single Sign-on  
*Scott McCallum, Developer Software Engineer*  
*Russ Lundberg, Developer Software Engineer*  
*Kevin Burnett, Developer Software Engineer*  
Room: Skyline Room 3

**CB10**

Consolidate Java Sign-in  
*Russ Lundberg, Developer Software Engineer*  
*John Lam, Developer Software Engineer*  
Room: Skyline Room 3

Introductory





**SESSION D**  
 1.15pm - 2.15pm
**S111**

Getting Your Network Ready for the Year 2000

Ross Ford, Senior Consultant

Room: 1/3 Auditorium

**G109**

Small Business Solutions

Henry Lovey, Powersell Program Manager

Room: Auditorium Meeting Room 2

**G107**

Advances in Server Technology for Performance, Scalability and Reliability

Scott Lemon, Corporate Integration Engineer

Room: Auditorium Meeting Room 4

**S102**

Designing NDS for Z.E.N. works and Windows NT

Sally Specker, Consulting Services Engineer and Blair Thomas, Senior Consultant

Room: Auditorium Meeting Room 2

**W116**

Implementing Internet Solutions Using BorderManager and the GroupWise System

Bob Pugh, Systems Engineer

Room: Auditorium Meeting Room 6

**G108**

BorderManager: Virtual Private Networks

Henry Sprafkin, Border Services Manager

Room: Auditorium Meeting Room 5

**CB12**

Using C3PO to Create Applications that Integrate with GroupWise 5

Russ Lundberg, Developer Software Engineer

John Lam, Developer Software Engineer

Room: Skyline Room 3 *Introductory*

**SESSION E**  
 2.45pm - 3.45pm
**X123**

NDS Schema and Database File System

Cyndi Rogers, Resolution Engineer

Room: 1/3 Auditorium

**R103**

Overview of the Oracle/Novell Integrated Applications Platform

Kevin de Schmidt, Oracle

Room: Auditorium Meeting Room 3

**M106**

Deploying ManageWise 2.6 in an Enterprise Environment

Ross Ford, Senior Consultant

Room: Auditorium Meeting Room 4

**D110**

Overview of ConsoleOne and Snap-In Interface

Mike Flathers, Software Engineer

Room: Auditorium Meeting Room 2

**W124**

Migrating from GroupWise 4.x to 5.x

John Singleton, Systems Engineer

Room: Auditorium Meeting Room 6

**S106**

Novell Consulting Software Solutions

Philippe Lemaire, Consultant

Room: Auditorium Meeting Room 5

**CB11**

The 6 Habits of Effective NDS Applications

*Intermediate*

Kevin Burnett, Developer Software Engineer

Scott McCallum, Developer Software Engineer

Room: Skyline Room 3 *Intermediate*

**SESSION F**  
 4.00pm - 6.00pm
**X124**

Troubleshooting NDS

Cyndi Rogers, Resolution Engineer

Room: 1/3 Auditorium

**S105**

WAN Optimisation of NetWare and NDS

Sally Specker, Consulting Services Engineer

Room: Auditorium Meeting Room 3

**R108**

Novell PKI Services

Rich Lee, Technical Engineer

Room: Auditorium Meeting Room 4

**G103**

IP Management and Migration

Colin Li, Technical Support Engineer

Room: Auditorium Meeting Room 2

**R112**

Novell's Perspective on Microsoft Active Directory

Mark Middleton, Sales Engineer

Room: Auditorium Meeting Room 6

**G109**

BorderManager DNS/DHCP Services

Amitabh Sinha, NTS Product Planning

Room: Auditorium Meeting Room 5





## NETWARE SESSION ABSTRACTS

### 1E 4F C103

#### IP Management and Migration

**Technical Level:** Intermediate

**Length:** 2 Hours

Novell now provides all NetWare services through the IP and IPX families of protocols. This session will focus on the migration from an IPX to a native IP environment. Tools and strategies for migration will be presented, as well as strategies to lower the total cost of ownership of an IP-based network. The session will cover IP compatibility mode, NetWare/IP migration, the role of DHCP, client options, and use of the new NDS-DNS-DHCP integrated product. Novell's IS&T department will detail the experience of moving Novell's own networks to IP and will provide recommendations and warnings. An understanding of both IPX and IP protocol families and basic networking is strongly recommended.

### 4A C106

#### Novell's High Availability Solutions

**Technical Level:** Intermediate

**Length:** 1 Hour

Novell has been a leader in fault tolerant servers for many years. Attend this session to find out some of the new things that Novell is doing to move from a fault tolerant story into the high availability space. Novell partnered with Compaq in providing HotPlug PCI for on-the-fly replacement of storage and LAN adapters, but this is just the first step in providing a network that is always available. This session will discuss some of the other new features providing NetWare with high availability: memory protection;abend recovery; driver hot replace; disk and LAN failover; rubber disk; Novell Storage Services (NSS) fast mount and recovery; Novell Replication Services (NRS); Novell Directory Services (NDS); shared storage; and Orion, Novell's clustering initiative. Participants can see what will make up highly available systems in the future.

### 4C 3D C107

#### Advances in Server Technology for Performance, Scalability, and Reliability

**Technical Level:** Introductory

**Length:** 1 Hour

As companies grow, so do the requirements for their networks. This session will show how advances in the NetWare platform and hardware work together to provide greater performance and scalability. Participants will gain an understanding of how Novell Storage Services (NSS), I20, Gigabit, Orion, BorderManager, Java, Virtual Memory, Multi-Processor, and other technologies work together to make networks more powerful, scalable, and reliable.

### 2D 1A C109

#### Small Business Solutions

**Technical Level:** Introductory

**Length:** 1 Hour

Small businesses of 25 users or less need network solutions to meet their needs. They need simple, easy solutions that will grow with their business. Novell makes it easy for small business customers to install, manage, maintain, configure, and deploy these solutions. This session will cover the new NetWare for Small Business 4.11 product that will provide file sharing, printing, E-mail, directory, remote, and other services for small businesses.

### 1C C113

#### NetWare Installation and Configuration

**Technical Level:** Intermediate

**Length:** 1 Hour

Do you find it difficult to install NetWare? This session will explain how the graphical Java-based NetWare 5 installation system simplifies server setup. The session will discuss the creation of the boot partition, the wizard-like flow of a simple installation, and the custom options for advanced users. It will also explain how to

deploy standard configurations (e.g., hardware drivers, volume sizes, protocols, etc.) in a multi-server environment. Participants will see from the demonstration how these new features in NetWare 5 will save time and reduce error.

### 1D 2E C118

#### Upgrading to NetWare 5

**Technical Level:** Intermediate

**Length:** 2 Hours

NetWare 5 offers many advantages such as native IP, Novell Storage Services (NSS) file system, virtual memory, Java, BorderManager, DNS and DHCP integration, and many others. The major issue is how to upgrade. This session will discuss and demonstrate the specific options and techniques that can be used to quickly and easily upgrade existing servers to NetWare 5.

### 1A 1A C119

#### Solid Reasons for Implementing NetWare 5: Features and Benefits

**Technical Level:** Intermediate

**Length:** 1 Hour

This session will explain how NetWare 5 lets you take control of your entire network, from applications to the Internet. NetWare 5 extends and leverages the world's leading global directory service, Novell Directory Services (NDS), to give the best network management of any server operating system. Open and standards-based, NetWare 5 offers the ability to run a pure IP network while maintaining full support and compatibility for IPX. With an enhanced kernel, superior performance and other rich functionality, it is the ideal server platform for developing and deploying Java-based and kernel-level applications. Built on the world's largest network installed base, NetWare 5 offers proven reliability, scalability, performance and security.

### 4B C120

#### Integrating UNIX into a NetWare Environment

**Technical Level:** Intermediate

**Length:** 1 Hour

These days it is very common to see many operating systems running side by side in organisations, in order to get the best features and functions available to suit customers' needs. When multiple OSs are present, it is a difficult task to administer and integrate these various operating systems. NetWare NFS is a complete suite of IP-based network services that enable transparent, bi-directional file and print sharing between NetWare and UNIX platforms. Users can share files and printing easily without getting into many complex UNIX commands. UNIX users and resources will be managed using NWAdmin and stored in Novell Directory Services (NDS). This reduces a lot of overhead to manage users in NetWare and UNIX. This session will also explain how technologies such as WebNFS, NFS over TCP and NIS and NDS integration will work. Some NFS, TCP/IP and NDS understanding is required.

### 1B C122

#### SMS: The Data Protection Solution for the Network Administrator in the New NetWare 5 Environment

**Technical Level:** Intermediate

**Length:** 1 Hour

This session will show how the newly updated Storage Management Services (SMS) provides a default backup/restore/disaster protection solution out of the box. New enhancements include: Target Service Agents (TSAs) for Novell Storage Services (NSS); Windows NT file system; DOS partition on NetWare 5 and GroupWise database; enhanced backup engine with support for autoloader; multiple and repeatable job scheduling and job concurrency. All enhancements are administratable from a GUI-based client console, run over IP, and use Novell Directory Services (NDS) for authentication. This session will also detail Novell's future Java-based product roadmap.



**4B P101****Configuring Your Network for Clustering****Technical Level: Advanced****Length: 1 Hour**

As high availability and clustering technologies become more widely available, the need to architect your network to incorporate these complex technologies is critical. This session will explain the design methodologies that include the adoption of new technologies such as Fibre Channel, HotPlug PCI, and high speed server interconnect fabrics such as ServerNet, SCI, and Fast Ethernet. Participants will learn how companies can significantly increase system availability of today's intraNetWare networks, and how to design for NetWare 5 and Orion. The session will include a demonstration of interconnect technologies and high availability solutions. An advanced understanding of networking topologies and network operating systems is required. Prerequisite: Clustering Overview.

**4D 4C P102****Orion: NetWare Clusters****Technical Level: Intermediate****Length: 1 Hour**

Orion is Novell's architecture for server clustering. It is an add-on product to NetWare 5 and provides high availability and scalability of NetWare services on a cluster of PC servers. This session will introduce Orion's architecture from a hardware and software perspective. It will detail supported cluster configurations based on standard Intel-PC servers from Compaq, IBM, HP, Dell, Unisys, and others. The integration of shared disk subsystems from Compaq/HP (Fibre Channel), IBM/Xyratec (SSA), and shared-SCSI will be described, as will cluster interconnect such as Dolphin's PCI-SCI, Tandem/Compaq's ServerNet, and 100Mb/sec ethernet. The Orion software architecture will be presented, detailing its fundamental goals, structure and capabilities. Orion's high availability features will be examined in a clustered-server context.

**2F S105****WAN Optimisation of NetWare and NDS****Technical Level: Advanced****Length: 2 Hours**

Do you need to build a fault tolerant Novell Application Launcher (NAL) design in a WAN environment? Have you ever wondered how Novell Replication Services (NRS) impacts network traffic? Do you need to know how to configure Timesync over an ISDN link? Ever wished you knew what bandwidth is required by NDS to replicate 500 objects over a 56K WAN link? Join Novell's Consulting Services as we examine, demonstrate and reduce IPX traffic. Topics that will be covered in this session will include optimising NetWare, IPX routing, NDS, Timesync, NAL and NRS in a LAN, and permanent WAN and dial-up WAN environment.

**5B X114****Netscape Enterprise Server for NetWare and NDS****Technical Level: Intermediate****Length: 1 Hour**

This session will demonstrate and explain the development options available for the Netscape Server line running on NetWare. Examples and explanations of Web and Inter/intranet applications created using JavaScript, PERL, L-CGI, and NetBasic will be included. Detailed steps on creating Web-enabled database applications using Oracle (Enterprise Server Pro) and Netscape Visual JavaScript will also be demonstrated.

**2A X127****Advanced Integration of Windows NT into a NetWare Environment****Technical Level: Intermediate****Length: 2 Hours**

Integrating heterogenous networks can be a time-consuming task. Novell offers several products for integrating Windows NT servers and workstations into a NetWare environment. The products to be discussed in this session include the intraNetWare Client for Window NT 4.11a, Windows NT Workstation Manager 1.0, Novell Administrator for Windows NT 2.0c, and Novell Application Launcher 2.0c.

Discussion of each product will include a very brief product overview, limitations, troubleshooting, and support issues. A basic understanding of the products mentioned is required.

**DEVELOPER TECHNOLOGIES SESSION ABSTRACTS****5D D103****Open Solutions Architecture: Database Solutions Using JDBC****Technical Level: Introductory****Length: 1 Hour**

The Internet, with its multimedia facilities, creates new challenges for database vendors in supporting a broad range of data types and formats. The Java language offers new database connectivity solutions that ease the burden of developers when creating flexible and innovative data access schemes. This session will focus on NetWare as a middle-tier layer for accessing the industry's leading database engines. NetWare users can now make either local or remote queries using Java and its JDBC interface to access Oracle, Sybase, Informix, MS-SQL, Ingres or DB2 databases located on UNIX, Windows NT Server, NetWare and various mainframe systems. A demonstration of the technology will be provided. Some knowledge of NetWare and database technology is recommended.

**4A D104****Open Solutions Architecture: Access to Novell Services through Java****Technical Level: Advanced****Length: 1 Hour**

This session will introduce the major classes of the Java Naming Directory Interface (JNDI). The interfaces and classes needed by an application will be presented. Samples of how JNDI is used to access and use Novell naming services (i.e., Novell Directory Services (NDS), NetWare File System (NFS), NetWare Bindery) will also be presented.

**5C D107****Network Programming in Minutes with Visual Basic and the Net2000 ActiveX Controls****Technical Level: Intermediate****Length: 1 Hour**

This session is designed for programmers and IS managers interested in using Novell services from a visual builder tool such as Visual Basic or Delphi. Other interfaces may include web page construction tools such as Microsoft ActiveX Control Pad. The topics covered will include ActiveX components which Novell provided to developers in 1997. Also included will be the building of an NDS-enabled application using Visual Basic. A demonstration of ActiveX components running under Visual Basic and Delphi will be included.

**4D D109****Open Solutions Architecture: Design and Directions****Technical Level: Introductory****Length: 2 Hours**

Delivering solutions that solve business problems in the networked world has proven to be a challenge for networking professionals of all types. The development, deployment, and manageability of software applications that provide valuable business solutions to our customers are hurdles that we all face. Novell's Open Solutions Architecture (OSA) is aimed at breaking down these hurdles. OSA is focused on extending creation tools to enhance the manageability and distribution of software solutions across the Internet and intranets. Novell's OSA will also address the need for software solutions to have a distribution channel to customers. This session will provide an overview of OSA, its design goals, and directions in allowing customers to leverage their existing network investments while taking advantage of the new era of internet computing. It will also show participants how to take advantage of this need to enhance their businesses as a network solutions providers.

**4E D110****Overview of ConsoleOne and Snap-In Interface****Technical Level: Introductory****Length: 1 Hour**

Novell's new Java-based common management console is called ConsoleOne, and is part of a new standards-based distributed management model. The primary goals of ConsoleOne are to provide a flexible and powerful snap-in framework that ISVs can leverage and integrate into easily and a customisable environment for network managers and administrators to improve the way they accomplish their network responsibilities. This session will introduce Novell's management strategy and ConsoleOne's snap-in architecture and will include a demonstration of a management utility using this snap-in interface.

**3A D119****Open Solutions Architecture: Web Solutions Using Java Servlets****Technical Level: Intermediate****Length: 1 Hour**

The server side of Java is powerful and ideal for implementing dynamic business logic on the network. This session will provide an overview of Java Servlets and how they can be used to provide dynamic content and logic for web pages. The SnoopServlet will be discussed along with a Servlets for monitoring file system usage. An understanding of Java, web servers, and HTML is highly recommended.

**BORDERMANAGER SESSION ABSTRACTS****6E G101****BorderManager Proxy Technologies****Technical Level: Advanced****Length: 2 Hours**

This advanced session will provide a complete understanding of the various features of the BorderManager Proxy Server. The HTTP, FTP, news, and mail proxies will be discussed in great detail. This session will also enable the participant to get a good understanding of the various proxies and help implement an effective proxy solution for an organisation.

**6A 6C G103****Introduction to Border Services****Technical Level: Introductory****Length: 1 Hour**

This introductory session will provide an understanding of what a border is, the issues that are introduced at the border, and the services at the border that can address these issues. Solutions such as proxy, proxy cache, firewall, Virtual Private Network (VPN), DNS/DHCP and RADIUS services will be introduced. Services provided by BorderManager, BorderManager FastCache, BorderManager Authentication Service, and other border products will be presented. This is a great primer for the other border services sessions at BrainShare '98.

**6B 6D G108****BorderManager: Virtual Private Networks****Technical Level: Advanced****Length: 1 Hour**

This session will detail the Virtual Private Network (VPN) in BorderManager. It will discuss the site-to-site VPN and also the client VPN. It will also touch on implementation of the standards (IPsec, SKIP, ISAKMP and OAKLEY). And finally, it will discuss the progression of standards and the future direction of the VPN in BorderManager.

**6D 6F G109****BorderManager: DNS/DHCP Services****Technical Level: Intermediate****Length: 2 Hours**

If you are connecting your company to the Internet then you need to be aware of two critical services—DNS and DHCP. This session will explore the use of these services for all sizes of companies and will demonstrate how each can be managed through the use of Novell Directory Services (NDS). Significant cost savings can be attributed to using the DNS/DHCP Java management utility together with NDS. A full demonstration of DNS and DHCP will be provided. A working knowledge of NetWare and TCP/IP, together with a basic understanding of the use of DNS and DHCP, would be beneficial.

**6C 4B G114****BorderManager Firewall****Technical Level: Intermediate****Length: 1 Hour**

When organisations connect to the Internet they are vulnerable to attacks from the outside. This creates a strong need to protect the internal resources including the web services, FTP services, and other critical services that are accessible from outside. This session will discuss establishing an effective firewall to protect the resources in the intranet of an organisation using BorderManager. BorderManager can serve as an effective packet filter, application proxy, and as a gateway, thus playing the role of an effective gatekeeper to any organisation.

**3C 3C X112****Controlling Access to the Intra/Internet with BorderManager****Technical Level: Intermediate****Length: 1 Hour**

The Internet and your intranet are constantly changing. It's not easy keeping users away from sites they shouldn't see, while making sure they can get to the information they need. Novell's BorderManager provides tools for controlling access to intranet and Internet resources. This session will teach participants how to use BorderManager to build a maintainable, auditable intra/Internet access policy. Topics include filtering requests based on Novell Directory Services (NDS) users, controlling incoming and outgoing mail and news, and IP packet filtering.

**MANAGEWISE SESSION ABSTRACTS****3A M104****ManageWise 2.6 Overview****Technical Level: Introductory****Length: 1 Hour**

ManageWise 2.6 includes a rich set of tools for cross-platform network management. This session begins with an overview of ManageWise 2.6 architecture, Simple Network Management Protocol (SNMP), and the agents in ManageWise 2.6. This session will give an overview of using ManageWise 2.6 to manage your NetWare and Windows NT servers, as well as servers, routers, network traffic, and workstations. The session also includes an overview of the new management reports and virus protection features of ManageWise 2.6 and includes a demonstration.

**4A 3B M105****Managing Networks with ManageWise IT****Technical Level: Introductory****Length: 1 Hour**

ManageWise IT is a significant step forward from the methods used in previous ManageWise products. The way it collects and displays data and provides other network management functions is completely new. This session will present an overview of the components and features of ManageWise IT. Network managers will learn how ManageWise IT will save them time and optimise the return on their investment in network management. Knowledge of network management protocols and processes is recommended.



**3B 3E M106****Deploying ManageWise 2.6 in an Enterprise Environment****Technical Level: Intermediate****Length: 1 Hour**

ManageWise is an easy product to install, but its power is not often fully exploited. Hear Novell Consulting outline strategies in implementing ManageWise across the enterprise, with minimum impact. Learn about the tips, tricks and third-party components Novell Consulting uses in their ManageWise rollouts. The second half of this session is a customer account of the rollout of ManageWise in Telkom South Africa. Some of the real-life issues that were encountered when Africa's largest telecommunications provider deployed ManageWise on 900 servers and 23,000 desktops will be highlighted. Attendees will learn how to prepare patched and customised installations, do phased product rollouts, ensure management buy-in as well as end-user acceptance, address remote desktop management security issues, integrate with other SNMP products, customise consoles for specific purposes, and measure the project's progress accurately. Experience with ManageWise is recommended.

**HOST CONNECTIVITY SESSION ABSTRACTS****3A P105****Integrating TCP/IP and SNA Networks****Technical Level: Intermediate****Length: 1 Hour**

There's no question that TCP/IP is rapidly being adopted as the protocol of choice for corporate networks. However, many organisations still have a significant investment in SNA networks for access to their IBM mainframe and AS/400 applications. How do you integrate the two different environments? This session will provide valuable information on this issue, including a discussion of existing TCP/IP standards such as TN3270e and TN5250, emerging TCP/IP standards for host access such as SSL and SLP, and the latest in web-to-host techniques. Additionally, both direct connect and gateway approaches will be covered. Finally, a detailed summary of the latest TCP/IP and web integration features with intraNetWare for SAA 3 will be given.

**4C P107****NetWare for SAA Update****Technical Level: Introductory****Length: 1 Hour**

Many IT organisations have huge investments in applications and data on IBM mainframes and AS/400s. Leveraging these investments and network technologies is a challenge. Novell's and IBM's NetWare for SAA products have helped customers meet this challenge since 1991. This session will provide an overview of the features and benefits of the latest SAA and HostPrint releases. Specifically the session will show how Novell Directory Services (NDS) integration can reduce host access costs through a single point of administration and new advanced TCP/IP features such as Services Location Protocol (SLP)-based load balancing and service discovery.

**NDS SESSION ABSTRACTS****3E 5F R112****Novell's Perspective on Microsoft Active Directory****Technical Level: Intermediate****Length: 2 Hours**

What is Active Directory? How will the architecture of Active Directory impact users, administrators, and network traffic? How does Active Directory compare to Novell Directory Services (NDS)? Join Novell's NDS team as we examine and demonstrate Active Directory, separating fact from marketing hype. Topics covered will include

domain trees, management, migration, DNS requirements, global catalogues, and directory-related bandwidth issues.

**4E 6A R113****NDS for NT: Making Windows NT Work for You****Technical Level: Intermediate****Length: 2 Hours**

The session will include a roadmap and strategy for Windows NT and Novell Directory Services (NDS). In addition, attendees will learn the current technologies, competitive nature, and future directions for Novell's NDS for NT solution.

**1C 2A R125****Optimising Wide-Area Networks with WAN Traffic Manager****Technical Level: Intermediate****Length: 1 Hour**

This session will enable you to reduce the cost of Wide Area Network (WAN) links by using WAN Traffic Manager (WTM) to control WAN traffic. WTM selects and runs administrator supplied policies to manage WAN costs and congestion. These policies are stored in Novell Directory Services (NDS) to enable global administration. Participants will learn how policies are selected and executed, their structure, and how to write them. NDS, WTM's first client, uses it to control synchronisation and other background tasks based on time of day, network addresses, network costs, etc. Participants will learn about the NDS traffic types, their associated variables, and how to use them in policies. WTM is extensible so that clients can supply extra information to the policies. There will be a brief discussion of how to WTM enable applications.

**2D S118****Desktop Integration: NDS and Office Applications****Technical Level: Intermediate****Length: 1 Hour**

Office productivity applications have evolved to become automated document generation systems to produce faxes, letters, electronic timesheets, or expense reports via template and scripting capabilities. The productivity gains achieved are offset by the cost of development and maintenance and the fact they tend to be static, not very portable or responsive to a dynamic business environment. Add to this the cost of inaccurate information appearing in internal and external documents, and you have a case for leveraging the corporate directory at the desktop to reduce costs and boost Return on Investment (ROI) not only of the productivity applications themselves, but the network infrastructure. Macros and templates are personalised by drawing information directly from Novell Directory Services (NDS), greatly reducing cost of development and maintenance while delivering more responsive tools for users. Strategies for handling mobile users who make infrequent connections to the network will also be discussed. The session will feature the integration of popular productivity applications (e.g., Microsoft Word, Excel and others) with NDS and demonstration materials will be available to participants. Familiarity with Windows, office applications and NDS is assumed and an understanding of scripting and template concepts is beneficial though not required.

**2C 1E X123****NDS Schema and Database File System****Technical Level: Advanced****Length: 1 Hour**

As corporations increasingly add products that extend the schema, it is important to understand how this will affect the intricacies of the tree. This session will cover the Novell Directory Services (NDS) database file structure and integration along with the schema synchronisation process. Participants will learn how NDS files fit together, and learn the process by which extended schema classes and attributes are distributed to other servers in the tree. An in-depth understanding of NDS is recommended.

**1F X124**



**Troubleshooting NDS****Technical Level: Advanced****Length: 2 Hours**

Administrators, engineers and corporations with Novell Directory Services (NDS) trees are continually faced with maintaining the stability and production of the tree. This session will focus on advanced NDS utilities to view, edit, and fix issues that arise within the tree. Attendees will learn how to troubleshoot error codes and the necessary steps to take to resolve any problems. The session will include a demonstration of the NDS troubleshooting process and how to resolve specific issues. An in-depth understanding of NDS is recommended.

**GROUPWISE SESSION ABSTRACTS****5B S117****Deployment and Management of GroupWise Clients****Technical Level: Intermediate****Length: 1 Hour**

In the implementation of GroupWise, one of the critical success factors is client deployment and management. The objective of this session is to provide a clear understanding of the functionality of the various client interfaces (GroupWise client, remote client, and WebAccess client), and how best to deploy and manage the clients. This session will focus only on the 32-bit client, starting with an overview of the GroupWise client architecture, a discussion on the various modes of access, and understanding how the login algorithm works. We will also take a look at how to use software distribution methods such as Novell Application Launcher (NAL) to deploy GroupWise on Windows 95 and Windows NT 4.0 workstations. Additionally, this session will examine client registry updates, managing multiple mail profiles, uninstalling the client, and enabling automatic client lookup of the post office. Last but not least, some tips on client management such as controlling default client settings, updating Frequent Contacts List, making GroupWise the default mail program in a browser, and utilising some useful C3POs.

**6B W101****Customising GroupWise Applications Using Object API's, C3PO's and WorkFlow Objects****Technical Level: Advanced****Length: 1 Hour**

GroupWise provides APIs which allow for some great integration possibilities with WorkFlow, the GroupWise Client, and the GroupWise data store. This session will provide an overview of the APIs, drill down for some detail on the WorkFlow objects, and finally we will demonstrate a system based on these technologies.

**5A W108****GroupWise Future Directions and Java Strategy****Technical Level: Introductory****Length: 1 Hour**

Collaborative products have become mission critical to many organisations and can provide a competitive edge in the business world. Understanding the future direction of such products are critical in long-range planning and business strategy. This session will explain the GroupWise product direction and strategy. The session will cover a variety of topics, including Internet and Java technologies. With this background, participants will be better prepared to make long-range business plans to take full advantage of GroupWise collaboration capabilities.

**6C 1B W109****GroupWise 5.5: The Next Release****Technical Level: Introductory****Length: 1 Hour**

This session will demonstrate how the next release of GroupWise will offer document management solutions for the masses. Additionally, native Internet addressing, S-MIME, increased calendar printing and viewing will also be demonstrated and discussed. This is a must see session for those wanting to know all the specifics surrounding the next major release of GroupWise.

**5A W111****Integrating GroupWise Business Solutions****Technical Level: Introductory****Length: 1 Hour**

Learn how out-of-the-box business solutions can be implemented with GroupWise's integrated document management, workflow and imaging technology. This session will focus on the numerous market opportunities and business solutions available in the GroupWise 5.x environment. This session will validate how effective messaging-based implementations provide the environment for collaboration in most business settings.

**5B W112****Web-Enable Your Documents with the Security of GroupWise WebPublisher and BorderManager****Technical Level: Intermediate****Length: 1 Hour**

Publishing documents to the web is becoming increasingly more important in today's competitive market place. The GroupWise WebPublisher represents a state-of-the-art solution that allows GroupWise users to seamlessly and effortlessly publish any GroupWise document to the Web. This session will show how easily you can use WebPublisher for your business solutions.

**5D W113****GroupWise WebAccess Implementation and Administration****Technical Level: Intermediate****Length: 2 Hours**

GroupWise WebAccess turns any web browser into a feature-rich GroupWise client and provides a way to automatically publish and update documents on the web. This session is designed to help administrators and resellers implement, optimise and troubleshoot, and customise GroupWise WebAccess/WebPublisher.

**5A 5D W116****Implementing Internet Solutions Using BorderManager and the GroupWise System****Technical Level: Intermediate****Length: 1 Hour**

This session will cover the architecture for extending an enterprise or small business GroupWise system to the Internet. In particular, the Novell IS&T implementation of this architecture will be explained in detail. Highlights of this session will include security, special considerations for GroupWise, GroupWise WebAccess and BorderManager setup, as well as future enhancements that are anticipated. Requirements for implementing such a service include a GroupWise 5 system, a GroupWise WebAccess infrastructure, BorderManager, an SSL-enabled HTTP server and, of course, a connection to the Internet. A basic understanding of firewalls, secure socket layer, GroupWise 5, and proxy servers is recommended.

**5C W121****Integrating Multiple Messaging System Environments****Technical Level: Intermediate****Length: 1 Hour**

This session will explain how to integrate, manage, and communicate with multiple messaging systems (i.e., Lotus Notes, Microsoft Exchange, Microsoft Outlook, POP3, IMAP4, Lotus cc:Mail, MSMail, etc.) from a GroupWise/NetWare system. MAPI, address book synchronisation, message store conversion, integration with application suites, etc. will also be covered. Finally, participants will learn strategies for co-existence with GroupWise and migration to GroupWise from other messaging systems.



**6A 5E W124****Migrating from GroupWise 4.x to 5.x****Technical Level:** Advanced**Length:** 1 Hour

You are currently managing a large GroupWise 4.1 installation and looking forward to the features and functionality of GroupWise 5, but you haven't taken the plunge to migrate your system yet. This session will help you avoid potential pitfalls during the migration and also prepare you for successful co-existence with both systems during the migration. The content for this session was derived from actual experience migrating many companies from 4.1 to 5.x. It is recommended that participants have a good working knowledge of Novell Directory Services (NDS), GroupWise 4.1 administration, and some familiarity of GroupWise 5.

**6D W125****Customised GroupWise WorkFlow Solutions****Technical Level:** Introductory**Length:** 1 Hour

Learn how to build workflow templates to automate your business processes. Automating daily tasks, such as the routing of memos and purchase orders, would significantly increase productivity in any size company. This session will focus on out-of-the-box design options and custom development automation tools available to design and extend custom workflow templates. This session will review how to design templates and use APIs for custom workflows.

**PARTNER SESSION ABSTRACTS****2E R103****Overview of the Oracle/Novell Integrated Applications Platform****Technical Level:** Introductory**Length:** 1 Hour

Oracle and Novell are at the forefront of a revolution in network computing, the new technology environment which is addressing the complex needs of customers today. This session will discuss the Oracle/Novell strategic alliance and its delivery of an integrated application platform, designed to enable fast and economical deployment of intranet technologies using existing NetWare infrastructures. Participants will learn about how the combination of NetWare 5, Oracle Application Server and the Oracle8 server provides a powerful, scalable and robust three-tiered platform for building and deploying Java-based, business applications. Trial software will be distributed to all participants.

**2C X122****Oracle8 for NetWare: The Database for Network Computing****Technical Level:** Intermediate**Length:** 1 Hour

Oracle8 is the latest version of the world's most widely used database management software. This session will discuss the new features of the Oracle8 server and how this has been optimised for Novell NetWare. Participants will receive an overview of database concepts and specific information about the advanced features of Oracle8. Installation, configuration, and essential administration will be discussed. Participants will gain a practical understanding of how to set up and manage the Oracle8 server. Trial software will be distributed. Attendance of "The Oracle/Novell Integrated Application Platform" session is recommended.

**SECURITY SESSION ABSTRACTS****3D R105****Novell's Security Story: Why, What, and When****Technical Level:** Introductory**Length:** 2 Hours

Novell's security strategy, architecture, and roadmap are the topics of this session. The strategy that drives the development of Novell's security architecture will be presented, followed by an overview of the architecture across Novell's product line. Presenting a glimpse of the security-related products and features that make up Novell's security roadmap concludes the session. This session will also provide a framework for the other security-related sessions offered at BrainShare '98.

**3F R108****Novell PKI Services****Technical Level:** Intermediate**Length:** 2 Hours

Novell's Public Key Infrastructure (PKI) strategy, architecture, and roadmap are the topics of this session. This session will start by defining PKI in standard terms and in the market terms of products and services. Using this PKI definition as a framework, Novell's PKI strategy, architecture, and roadmap will be examined in detail.

**5C 1B S114****Keeping Hackers Out of Your Network****Technical Level:** Intermediate**Length:** 1 Hour

This is a session which explains how you can protect a network from security threats. It will discuss the techniques hackers use to attack both network clients and server operating systems, and describe how to defend against them. It will cover use of the network client software, NDS for NT, BorderManager, and NetWare 4.11 as part of an integrated security strategy to protect heterogeneous networks.

**SOLUTIONS SESSION ABSTRACTS****3C C110****Novell Products and the Year 2000****Technical Level:** Intermediate**Length:** 1 Hour

Consider what might happen if the "millennium bug," that tendency for many of the world's computers to mistake the year 2000 for 1900, is not eradicated in time. This session will discuss Novell's efforts to ensure its products are ready for the turn of the century. Participants will learn which Novell products have been tested for Year 2000 and what can be done to prepare for this event. An overview of Novell's methodology for addressing this issue will also be discussed. A general understanding of the Year 2000 issue is recommended.

**3D 6E S106****Novell Consulting Software Solutions****Technical Level:** Intermediate**Length:** 1 Hour

Novell Consulting has developed many software applications over the years for Administrators and Corporations, and has many projects currently in development. This session will give an overview of many of the various packages that Novell Consulting offers, both for free and at a cost. Some of the software to be discussed includes our newly developed Novell Directory Services (NDS) White Pages, Software Metering and licensing, security software, Mail Archiver, Volume Block Resizer, and many more. The Futures Now program will also be introduced and explained so attendees will know how to participate in future software development by Novell Consulting.



**1D S111****Getting Your Network Ready for the Year 2000****Technical Level: Intermediate****Length: 1 Hour**

How can you prepare your network for the Year 2000? There are fewer than 450 business days remaining, and you have PCs, servers, applications, desktop operating systems and network operating systems to check. This session will examine the technical problems that affect every component of a network and suggests ways of handling this daunting task. The session will cover: procedures for ensuring that BIOS levels are adequate to handle the new millennium; conducting software audits; and in particular, ensuring that your Novell software products are Year 2000 ready. Hear Novell Consulting outline a strategy to regularly analyse the hardware and audit the software at all desktops in the enterprise, identify non-compliant components, and rollout compliant applications. See how ManageWise 2.5 and the Novell Application Launcher (NAL) can automate these procedures reliably and cost effectively. This session is for anyone interested in the biggest event in the history of computers, and especially for those responsible for ensuring that their network continues to operate both run up to and after January 1, 2000.

**Z.E.N.WORKS SESSION ABSTRACTS****1C 3B R118****Managing Microsoft's Desktop Operating Systems through Z.E.N. works****Technical Level: Intermediate****Length: 1 Hour**

In this session, attendees will learn how to leverage directory services to manage Microsoft-specific desktop components such as user and system policies, printers and associated printer drivers, and NetWare client-specific settings. The Novell Workstation Manager 1.1, a component of Z.E.N. works, will be covered in depth.

**1E R119****Case Studies: Distributing Popular Applications with Z.E.N. works/NAL****Technical Level: Intermediate****Length: 2 Hours**

Find out how to distribute and manage popular applications such as MS Office 97, Netscape, and GroupWise. This session will show you the entire distribution process, including the snAppShot phase, application distribution, customisation, and even application updates. The session will cover the uses and features of the Novell Application Launcher (NAL) Window and NAL Explorer, including why and when to use one over the other. Learn how to secure the desktop using NAL, the application management component of Z.E.N. works. This session will include demonstrations.

**2D R123****Using Z.E.N. works/NAL to Ensure Application Availability****Technical Level: Intermediate****Length: 2 Hours**

Distributing applications is meaningless if mobile users have to wait forever to access applications across the WAN or if application servers are unavailable because of server overload and downtime. In this session, attendees will learn how to guarantee access to applications by setting up NAL's fault tolerance and load balancing features. Attendees will also learn about a new feature called "Launch Closest Application", which selects the application that is geographically closest to the mobile user. Demonstrations included.

**2B 4D S102****Designing NDS for Z.E.N. works and Windows NT****Technical Level: Intermediate****Length: 1 Hour**

If plans call for Z.E.N. works and NDS for NT, then there is the potential to double the number of objects in the Novell Directory Services (NDS) tree. In this session, participants will learn step-by-step how to design a tree to include the workstation and application objects from Z.E.N. works and the domain object and users from NDS for NT. The session will also cover how to adjust the design of a current NDS tree or how to design new trees. The result is the assurance that the tree is designed the right way and is both easier to use and manage.

**1D S108****Software Metering with NAL and Z.E.N. works****Technical Level: Intermediate****Length: 1 Hour**

Companies are recognising the high cost of managing network clients and the applications needed. Novell Consulting has developed a solution that meters software delivered with Novell Application Launcher (NAL) and Z.E.N. works. Novell Consulting has consistently been able to deliver a 20% or greater savings on client management for our customers. Leveraging Novell's zero effort networking, thin client concepts, and software metering, attendees will learn how to manage network access and better leverage time and investments in technology. This session will include live demonstrations and cover the following application management areas: software metering, application delivery and client interface management concepts of NAL and Z.E.N. works.

**2A 2C S110****An Overview of Z.E.N. works/NAL 2.5****Technical Level: Intermediate****Length: 1 Hour**

Applications are constantly being updated, and deploying them to users' desktops requires extensive time by networking staff. The Novell Application Launcher (NAL), a component of Z.E.N. works, is Novell's server-to-client software distribution utility designed to dramatically decrease the time needed to handle this task. This session will give attendees an understanding of what NAL is, how to set up and distribute applications (including using the snAppShot utility), and some general ideas and guidelines for the design and implementation of NAL. Additionally, the differences between using the NAL Explorer and the NAL Window at the desktop will be discussed. This session will include demonstrations.

**2B X107****Business Efficiencies Achieved Using NAL****Technical Level: Intermediate****Length: 1 Hour**

This session will show real-world solutions using the Novell Application Launcher (NAL) to move into the Windows 95/NetWare 4 environment. It will discuss how a Big Six firm has deployed Remote Access using NAL and Snapshot as the installation mechanism. The power of NAL to install/run applications like Notes off one icon will be demonstrated and the session will show how to move existing 3.11 applications to the NAL environment utilising Foldering to provide familiar menu structures. Finally, this session will demonstrate how to handle future upgrades of Office 4.3 to Office 97 and upgrade major auditing software to be deployed using NAL.



## CODEBREAK ABSTRACTS

**CBA CB05****An Overview of Development Services on the NetWare 5 Platform****Technical Level: Intermediate****Length: 1 Hour**

The NetWare 5 platform provides a rich environment for program development. This codebreak will demonstrate the various new services designed to make NetWare 5 the premier network application deployment platform. The services to be demonstrated include Virtual Memory, Protected Address Spaces and Automatic Application Restart.

**CBB CB07****Developing for the NetWare 5 Platform with Novell Supplied Tools****Technical Level: Intermediate****Length: 1 hour**

Shipping with NetWare 5 are several development tools that can be used to develop network aware applications. By attending this codebreak you will gain an appreciation of how to use these tools and the opportunities they create for system integrators. This session will highlight NetBasic and Java development.

**CBD CB08****Developing for the NetWare Platform with Common Industry Tools****Technical Level: Intermediate****Length: 2 Hours**

There are many commercial development tools that can be used to develop applications for the NetWare Platform. This session will demonstrate how to use several popular environments to develop programs for NetWare. The tools being demonstrated will include products from Borland, SyBase and the new version of CodeWarrior from Metrowerks with NetWare support.

**CBA CB01****Introduction to NLM Application Development****Technical Level: Introductory****Length: 1 Hour**

Software development on a new platform always involves a learning curve. NetWare Loadable Modules (NLM) development is no exception. This hands on session will expose NLM development technology, environments and tools. NLM development environment including .h and .c files, compilers, .obj and .lib files, linkers etc. will be covered. Participants will learn in a development environment by coding ( and executing ) a "Hello World" NLM. Anyone interested in NLM application development should attend.

**CBE CB11****The 6 Habits of Effective NDS Applications****Technical Level: Intermediate****Length: 2 Hours**

All effective NDS applications share a set of common traits. This session will highlight each of these habits and show code which implements the particular behavior. The 6 habits of effective applications are; Single Sign-on, Single Point of Administration, Security, Scalability, Shared Object Store Database and Service Location

**CBD CB04****Using Catalogue Services to Develop Faster Directory Aware Applications****Technical Level: Intermediate****Length: 1 Hour**

Catalogue services enable savvy network administrators to provide faster access to data stored in NDS. This session will show how your applications can use catalogues when they are present and still operate in non catalogue aware sites.

**CBB CB10****ConsoleOne Java Snap-In****Technical Level: Intermediate****Length: 2 Hours**

This session will focus on the new ConsoleOne interface and APIs to add functionality to ConsoleOne. Attendees should be familiar with Java for the greatest benefit in this class. ConsoleOne is the interface that will eventually replace NWADMIN. This interface makes adding snap-in functionality much easier that it has been in the past.

**CBA CB09****Using Background Authentication to Facilitate Single Sign-on****Technical Level: Intermediate****Length: 1 Hour**

Background Authentication is used to securely introduce users to services without requiring interaction from the end user. This session will demonstrate how your applications can use these services to allow users to connect without maintaining your own userid/password tables.

**CBC CB03****Using Server Events to Create Efficient Applications****Technical Level: Advanced****Length: 1 Hour**

The NetWare Platform provides interfaces to allow applications to efficiently extend many core services, such as Access to the File System, NetWare Directory Services (NDS) and the NetWare Core Protocol (NCP). This session will demonstrate how to use these interfaces and create applications that are both timely and efficient.

**CBD CB12****Using C3PO to Create Applications that Integrate with GroupWise 5****Technical Level: Introductory****Length: 1 Hour**

Custom 3rd Party Object (C3PO) interface allows your application to integrate seamlessly with GroupWise 5. This session will demonstrate what these applications have access to and how they are developed.

**CBB CB02****Using Java on the NetWare Platform to Develop Middle Tier Applications****Technical Level: Intermediate****Length: 1 Hour**

Most organisations that use Novell NetWare have a server at every site to provide local file and print services. Novell's Open Solution Architecture (OSA) provides these sites with an additional service - a local Java Virtual Machine. This allows you to safely move program logic closer to the end users, enhancing both the scalability and performance characteristics of the your application. This session will demonstrate the components of OSA that make NetWare a compelling platform for real world Java application deployment.

**CBC CB06****Using Novell JavaBeans to Develop NDS Aware Java Applications****Technical Level: Intermediate****Length: 1 Hour**

JavaBeans is the component model standard for Java development. JavaBeans can be used in a variety of third-party development environments to greatly speed up the development process. This session will demonstrate the use of JavaBeans components to access Novell Directory Services and other network information. This session is designed to help participants become more productive Java NetWare developers.



## ACKNOWLEDGEMENTS

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